

Please amend the application as follows:

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-27. Canceled

28. (Previously presented) A substantially non-immunogenic prosthetic device for implantation into a vertebrate subject in a region disposed between and connecting two of the subject's bones, comprising a biocompatible glycosidase-treated matrix material, wherein the device matrix is adapted to have an *in vivo* an outer surface contour substantially the same as that of a region disposed between and connecting two of the subject's bones, wherein the device is a prosthetic ligament comprising a plurality of substantially aligned, elongated filaments,
- (a) wherein the fibrils are present in the matrix at a concentration of about 75 to 100% by dry weight, and
 - (b) wherein polysaccharide molecules in the matrix are present at a concentration of about 0 to 25% by dry weight.

29-56. Canceled

57. (Previously presented) A substantially non-immunogenic prosthetic device for implantation into a vertebrate subject in a region disposed between and connecting two of the subject's bones, comprising a biocompatible glycosidase-treated matrix material, wherein the device matrix is adapted to have an *in vivo* an outer surface contour substantially the same as that of a region disposed between and connecting two of the subject's bones, wherein the device is a prosthetic articular cartilage device adapted to have an *in vivo* outer surface contour substantially the same as that of natural articular cartilage, further comprising a biocompatible conical base component including an

anchor for anchoring the articular cartilage device in a complimentary aperture in cancellous bone, the base component extending from portions of the outer surface of the matrix.

- 58. (Original) The device of claim 57, wherein the base component is at least partially resorbable.
- 59. (Original) The device of claim 57, wherein the base component includes a plurality of circumferentially extending ridges.
- 60. (Original) The device of claim 57, wherein the base component is composed of a composite material, comprising:
 - (a) a dispersion of collagen and a
 - (b) composition which is selected from the group consisting of tricalcium phosphate, hydroxyapatite, and a combination of tricalcium phosphate and hydroxyapatite.
- 61. (Original) The device of claim 60, wherein the dispersion comprises about 90% by weight tricalcium phosphate and about 10% by weight collagen.
- 62. (Original) The device of claim 60, wherein the dispersion comprises about 90% by weight hydroxyapatite and about 10% by weight collagen.
- 63- 87. Canceled